

# PMR Operational Report

|                             |                            |   |          |
|-----------------------------|----------------------------|---|----------|
| <b>Operation Number</b>     | PR-L1070                   | <b>Chief of Operations Validation Date</b>    | 03/20/18 |
| <b>Year- PMR Cycle</b>      | Second period Jan-Dec 2017 | <b>Division Chief Validation Date</b>         | 03/22/18 |
| <b>Last Update</b>          | 05/25/18                   | <b>Country Representative Validation Date</b> | 05/04/18 |
| <b>PMR Validation Stage</b> | Draft                      |   |          |

## Basic Data

### Operation Profile

|                           |  |   |  |
|---------------------------|--|---|--|
| <b>Operation Name</b>     | Paraguayan Business Innovation Project | <b>Loan Number</b>                      | 3602/OC-PR   |
| <b>Executing Agency</b>   | CONSEJO NACIONAL CIENCIA Y TECNOLOGIA  | <b>Sector/Subsector</b>                 | ST-RDI - SCIENCE AND TECHNOLOGY-R&D AND INNOVATION FUNDING |
| <b>Team Leader</b>        | VENTURA, JUAN PABLO                    | <b>Overall Stage</b>                    | Approved/Pending Eligibility                               |
| <b>Operation Type</b>     | Loan Operation                         | <b>Country</b>                          | PARAGUAY   |
| <b>Lending Instrument</b> | Investment Loan                        | <b>Convergence related Operation(s)</b> |  |
| <b>Borrower</b>           | REPUBLICA DE PARAGUAY                  |   |  |

## Environmental and Social Safeguards

|   |   |  |    |
|---|---|--|----|
| <b>Impacts Category</b>                         | C | <b>Was/Were the objective(s) of this operation reformulated?</b> | NO |
| <b>Safeguard Performance Rating</b>             |   | <b>Date of approval</b>  |    |
| <b>Safeguard Performance Rating - Rationale</b> |   |  |    |

## Financial Data

| Item       | Total Cost and Source |             |                   |                        |                     | Available Funds (US\$) |                      |        |                    |
|------------|-----------------------|-------------|-------------------|------------------------|---------------------|------------------------|----------------------|--------|--------------------|
|            | Original IDB          | Current IDB | Local Counterpart | Co-Financing / Country | Total Original Cost | Current IDB            | Disb. Amount to Date | % Disb | Undisbursed Amount |
| PR-L1070   | 10,000,000            | 10,000,000  | 0                 | 0                      | 10,000,000          | 10,000,000             | 0                    | 0.00%  | 10,000,000         |
| Aggregated | 10,000,000            | 10,000,000  | 0                 | 0                      | 10,000,000          | 10,000,000             | 0                    | 0.00%  | 10,000,000         |

## Expense Categories by Loan Contract (cumulative values)

Please note that the Overall Stage represents the stage of the operation at the time of this report's publication, which might not necessarily match the stage of the operation during the PMR Cycle to which the report pertains. Please also note that inactive indicators and outputs are not displayed; totals in the actual cost table may not match the sum of the cost of the outputs displayed, due to the cost of inactive outputs.

## PMR Operational Report

### RESULTS MATRIX

#### IMPACTS

**Impact Nbr. 0:** Crecimiento de la productividad de los factores

**Observation:**

| Indicator  |                                     | Unit of Measure | Baseline | Baseline Year |      | EOP 2022 |
|------------|-------------------------------------|-----------------|----------|---------------|------|----------|
| 0.0        | Productividad total de los factores | Indice          | 1.00     | 2015          | P    | 1.15     |
|            |                                     |                 |          |               | P(a) |          |
|            |                                     |                 |          |               | A    |          |
| Details    |                                     |                 |          |               |      |          |
| Pro-Gender | No                                  |                 |          | Pro-Ethnicity | No   |          |

**Impact Nbr. 1:** Crecimiento de la productividad del trabajo

**Observation:**

| Indicator  |                           | Unit of Measure | Baseline      | Baseline Year |      | EOP 2022 |
|------------|---------------------------|-----------------|---------------|---------------|------|----------|
| 1.0        | Productividad del trabajo | Indice          | 1.00          | 2015          | P    | 1.20     |
|            |                           |                 |               |               | P(a) |          |
|            |                           |                 |               |               | A    |          |
| Details    |                           |                 |               |               |      |          |
| Pro-Gender |                           | No              | Pro-Ethnicity |               | No   |          |

**Impact Nbr. 2:** Inversión nacional en I+D

**Observation:**

| Indicator  |   | Unit of Measure | Baseline      | Baseline Year |      | EOP 2022 |
|------------|---|-----------------|---------------|---------------|------|----------|
| 2.0        | Inversión nacional en I+D como porcentaje del PBI | Porcentaje      | 0.06          | 2016          | P    | 0.08     |
|            |   |                 |               |               | P(a) |          |
|            |   |                 |               |               | A    |          |
| Details    |   |                 |               |               |      |          |
| Pro-Gender |   | No              | Pro-Ethnicity |               | No   |          |

## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

Outcome Nbr. 0: Fomento de la innovación

Observation:

| Indicator  |  | Unit of Measure | Baseline | Baseline Year |               | EOP 2022 |
|------------|--|-----------------|----------|---------------|---------------|----------|
| 0.0        | Crecimiento en la inversión en innovación del sector productivo                                    | Porcentaje      | 0.00     | 2016          | P             | 0.50     |
|            |  |                 |          |               | P(a)          |          |
|            |  |                 |          |               | A             |          |
| Details    |  |                 |          |               |               |          |
| Pro-Gender | No   |                 |          |               | Pro-Ethnicity | No       |
| Indicator  |  | Unit of Measure | Baseline | Baseline Year |               | EOP 2022 |
| 0.1        | Crecimiento en el porcentaje de empresas que introducen innovaciones de producto                   | Porcentaje      | 0.00     | 2016          | P             | 12.00    |
|            |  |                 |          |               | P(a)          |          |
|            |  |                 |          |               | A             |          |
| Details    |  |                 |          |               |               |          |
| Pro-Gender | No   |                 |          |               | Pro-Ethnicity | No       |
| Indicator  |  | Unit of Measure | Baseline | Baseline Year |               | EOP 2022 |
| 0.2        | Crecimiento en el porcentaje de empresas que introducen innovaciones de proceso                    | Porcentaje      | 0.00     | 2016          | P             | 12.00    |
|            |  |                 |          |               | P(a)          |          |
|            |  |                 |          |               | A             |          |
| Details    |  |                 |          |               |               |          |
| Pro-Gender | No   |                 |          |               | Pro-Ethnicity | No       |
| Indicator  |  | Unit of Measure | Baseline | Baseline Year |               | EOP 2022 |
| 0.3        | Crecimiento en el porcentaje de empresas que cooperan con otros actores del SNI para la innovacion | Porcentaje      | 0.00     | 2016          | P             | 5.00     |
|            |  |                 |          |               | P(a)          |          |
|            |  |                 |          |               | A             |          |
| Details    |  |                 |          |               |               |          |
| Pro-Gender | No   |                 |          |               | Pro-Ethnicity | No       |

Outcome Nbr. 1: Capital humano para la innovación

Observation:

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### RESULTS MATRIX

#### OUTCOMES

| Indicator  |   | Unit of Measure | Baseline      | Baseline Year |      | EOP 2022 |
|------------|---|-----------------|---------------|---------------|------|----------|
| 1.0        | Crecimiento en porcentaje de empleados en las empresas que son graduados o postgraduados universitarios | Porcentaje      | 0.00          | 2016          | P    | 3.00     |
|            |   |                 |               |               | P(a) |          |
|            |   |                 |               |               | A    |          |
| Details    |   |                 |               |               |      |          |
| Pro-Gender |   | No              | Pro-Ethnicity |               | No   |          |

## RESULTS MATRIX

## OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

## Component Nbr. 1 Fomento de la innovación

|     | Output   | Unit of Measure         |      | PHYSICAL PROGRESS |          | FINANCIAL PROGRESS |           |
|-----|--|-------------------------|------|-------------------|----------|--------------------|-----------|
|     |  |                         |      | 2017              | EOP 2022 | 2017               | EOP 2022  |
| 1.1 | Proyectos individuales de innovación y desarrollo tecnológico terminados               | Proyectos terminados    | P    |                   | 18       | 15,000             | 1,845,000 |
|     |  |                         | P(a) |                   | 18       | 15,000             | 1,830,000 |
|     |  |                         | A    |                   | 0        |                    | 0         |
| 1.2 | Proyectos asociativos de innovación y desarrollo tecnológico terminados                | Proyectos terminados    | P    |                   | 8        |                    | 848,000   |
|     |  |                         | P(a) |                   | 8        |                    | 848,000   |
|     |  |                         | A    |                   | 0        |                    | 0         |
| 1.3 | Proyectos de apoyo a la creación y arranque de empresas de base tecnológica terminados | Proyectos terminados    | P    |                   | 30       | 20,000             | 885,000   |
|     |  |                         | P(a) |                   | 15       | 20,000             | 865,000   |
|     |  |                         | A    |                   | 0        |                    | 0         |
| 1.4 | Proyectos para centros de servicios tecnológicos terminados                            | Proyectos terminados    | P    |                   | 4        |                    | 815,000   |
|     |  |                         | P(a) |                   | 2        |                    | 815,000   |
|     |  |                         | A    |                   | 0        |                    | 0         |
| 1.5 | Proyectos para incubadoras de empresas terminados                                      | Proyectos terminados    | P    |                   | 6        | 450,000            | 900,000   |
|     |  |                         | P(a) |                   | 3        | 450,000            | 450,000   |
|     |  |                         | A    |                   | 0        |                    | 0         |
| 1.6 | Encuesta de indicadores de innovación  | Base de datos y estudio | P    |                   | 2        |                    | 180,000   |
|     |  |                         | P(a) |                   | 2        |                    | 180,000   |
|     |  |                         | A    |                   | 0        |                    | 0         |
| 1.7 | Actividades de activación de la demanda de innovación                                  | Eventos                 | P    | 2                 | 10       |                    | 300,000   |
|     |  |                         | P(a) | 2                 | 0        |                    | 300,000   |
|     |  |                         | A    |                   | 0        |                    | 0         |
| 1.8 | Estudios prospectivos para orientar las inversiones del programa                       | Estudios                | P    |                   | 6        | 300,000            | 600,000   |
|     |  |                         | P(a) |                   | 3        | 300,000            | 300,000   |
|     |  |                         | A    |                   | 0        |                    | 0         |

## Component Nbr. 2 Capital humano para la innovación

|     | Output  | Unit of Measure       |      | PHYSICAL PROGRESS |          | FINANCIAL PROGRESS |           |
|-----|---|-----------------------|------|-------------------|----------|--------------------|-----------|
|     |   |                       |      | 2017              | EOP 2022 | 2017               | EOP 2022  |
| 2.1 | Proyectos de creación y fortalecimiento de posgrados terminados | Programas de posgrado | P    | 1                 | 6        | 6,000              | 606,000   |
|     |   |                       | P(a) | 1                 | 0        | 6,000              | 600,000   |
|     |   |                       | A    |                   | 0        |                    | 0         |
| 2.2 | Proyectos de gestión de la innovación en empresas financiados   | Proyectos financiados | P    | 5                 | 50       | 500,000            | 1,500,000 |
|     |   |                       | P(a) | 5                 | 10       | 500,000            | 1,000,000 |
|     |   |                       | A    |                   | 0        |                    | 0         |
| 2.3 | Misiones tecnológicas realizadas                                | Misiones realizadas   | P    | 4                 | 20       |                    | 400,000   |
|     |   |                       | P(a) |                   | 0        |                    | 400,000   |
|     |   |                       | A    |                   | 0        |                    | 0         |

## Other Cost

|  |  |      |  |  |   |           |
|--|--|------|--|--|---|-----------|
|  | Administración, auditoría y evaluación | P    |  |  | 0 | 1,032,999 |
|  |  | P(a) |  |  | 0 | 1,032,999 |
|  |  | A    |  |  | 0 | 0         |
|  | Imprevistos                            | P    |  |  |   | 88,001    |
|  |  | P(a) |  |  |   | 88,001    |
|  |  | A    |  |  |   | 0         |

Total Cost

|  |            |      |  |  |           |            |
|--|------------|------|--|--|-----------|------------|
|  | Total Cost | P    |  |  | 1,291,000 | 10,000,000 |
|  |            | P(a) |  |  | 1,291,000 | 8,709,000  |
|  |            | A    |  |  | 0         | 0          |

### CHANGES TO THE MATRIX

No information available for this section